217-22436

Tucker
WIRELINE SERVICES

COMPENSATED NEUTRON
PEL DENSITY LOG

mt/ 9-22-11

CONFIDENTIAL

RECEIVED
SEP 22 2010
Mo Oil & Gas Council

File No. : TUL-33039
Company : RUNNING FOXES PETROLEUM INC.
Well : STONER #10-4B INJ
Field :
County : VERNON
State : MISSOURI
Country : U.S.A.

Location : PERMIT: 22436
335' FSL & 350' FWL

Sect : 06 Twp : 36N Rge : 33W

Recorded By : R. FRANKLIN
Witnessed By : G. BRATTON

Date : MAY 26 2010
Run No. : 1

Permanent Datum : GL
Drilling Measured From : GL
Log Measured From: GL
Above Permanent Datum : 0.00 FT

Depth--Driller : 408.0 FT
Depth--Logger : [illegible] FT
Bottom Log Interval : [illegible] FT
Top Log Interval : [illegible] FT

Casing Depth--Driller: [illegible] FT
Casing Depth--Logger : [illegible] FT
Casing Diameter : [illegible] IN

Bit Size [illegible] IN
Unit No. TRK 123
Location TULSA

Elevations :
KB : FT
DF : FT
GL : [illegible] FT

Additional Services
PIT

The customer is hereby warned that by providing the log data herein, T. W. S. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. T. W. S. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by T. W. S. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by T. W. S. for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as of record.

Run Number 1

Depth To Fluid	0.0	FT		
Fluid Type In Hole :	FRESH			
Density :	0.000	LBS/GAL		
Viscosity :	0.000	SEC/QT		
pH :	0.000			
Fluid Loss :	0.000	CC		
Salinity :	0.000	KPPM		
RM Source :	MEASURED			
RM :	10.000	OHMM at	90	F
RM at BHT :	10.770	OHMM at	[illegible]	F
RMF Source :	CALCULATED			
RMF :	8.500	OHMM at	90	F
RMF at BHT :	9.160	OHMM at	[illegible]	F
RMC Source :	CALCULATED			
RMC :	11.500	OHMM at	90	F
RMC at BHT :	12.390	OHMM at	[illegible]	F
Max Recorded Temp. :			[illegible]	F
Time Circulation Stopped :				
Operating Rig Time, Hrs. :			1.5	

Source Serial Numbers

Gamma	2991GW
Neutron	N-1046

Sonde Serial Numbers

GRTB	GRT-BC-41
CNT	CNP-AA-112
LDTNG	LDP-DA-066

Casing Strings

Size (IN)	Weight (lb/ft)	Bottom (FT)
[illegible].000	15.00	[illegible].00

- Comments -

[illegible] PRESENTATIONS AS PER CLIENT REQUEST.

SDL, DSN, IHT, AND PET RUN IN COMBINATION.
CALIPER ORIENTED TO THE X AXIS.
[illegible] USED TO CALCULATE POROSITY.
ANNULAR HOLE VOLUME CALCULATED USING 2.875" PRODUCTION CASING.
[illegible] WITH SPLIT TOOL STACK.
RUN 1, [illegible], PET.
RUN 2, [illegible], [illegible], IHT.
[illegible] STACK DRAWING [illegible].

SDL: [illegible]
DSN: [illegible]
[illegible]
PET: [illegible]

[illegible]:
[illegible]
[illegible]

THANK YOU FOR USING TUCKER WIRELINE SERVICES!

TENSION LBS	
10000	0

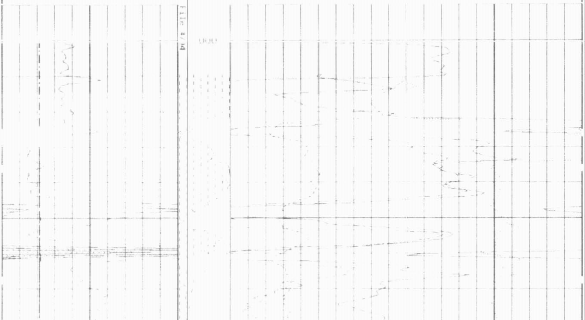
BIT SIZE INCHES (IN)	
4	14

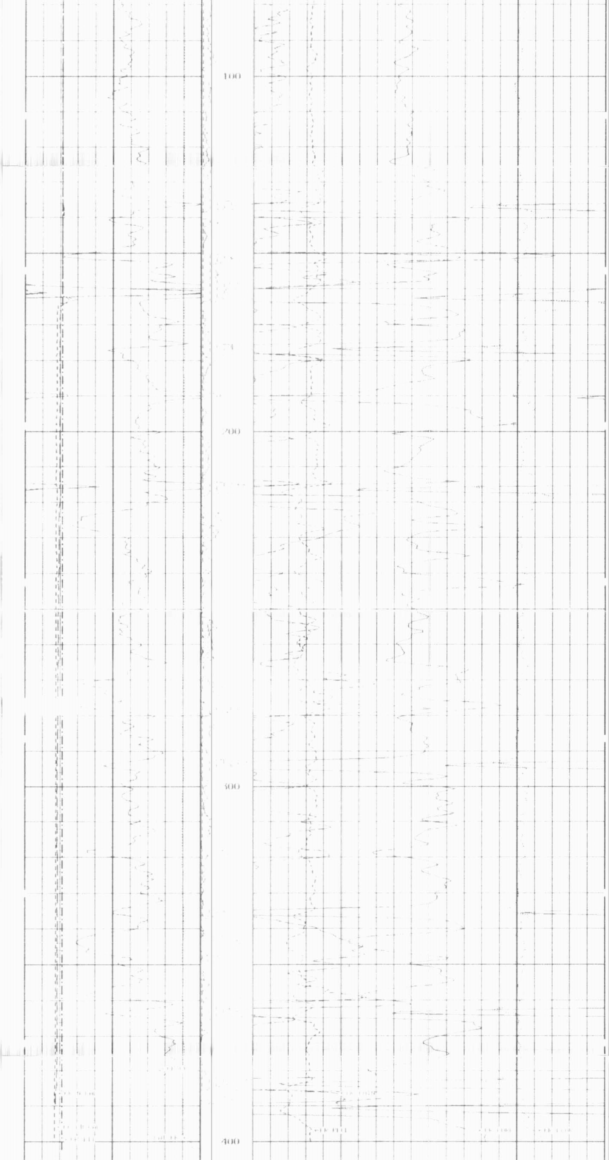
DENSITY (X) CALIPER INCHES (IN)		PE CROSS SECTION BARNS/ELECTRON		DENSITY CORRECTION G/CC	
14 4	24 14	0	10	-0.25	0.25

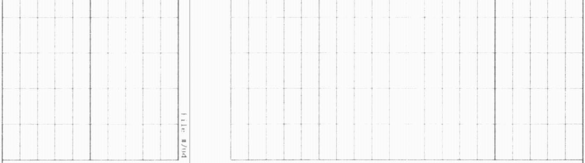
NEUTRON (Y) CALIPER INCHES (IN)		NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)	
14 4	24 14	30	10

GAMMA RAY API UNITS		DENSITY POROSITY PERCENT (2.71 g/cc)	
200 0	400 200	70 30	30 10

1:240 MAIN SECTION







1:240 MAIN SECTION

GAMMA RAY
API UNITS
200 400
0 200

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

BIT SIZE
INCHES (IN)
4 14

TENSION
LBS
10000 0

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 1

Drill Bit Size 6.125 IN

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

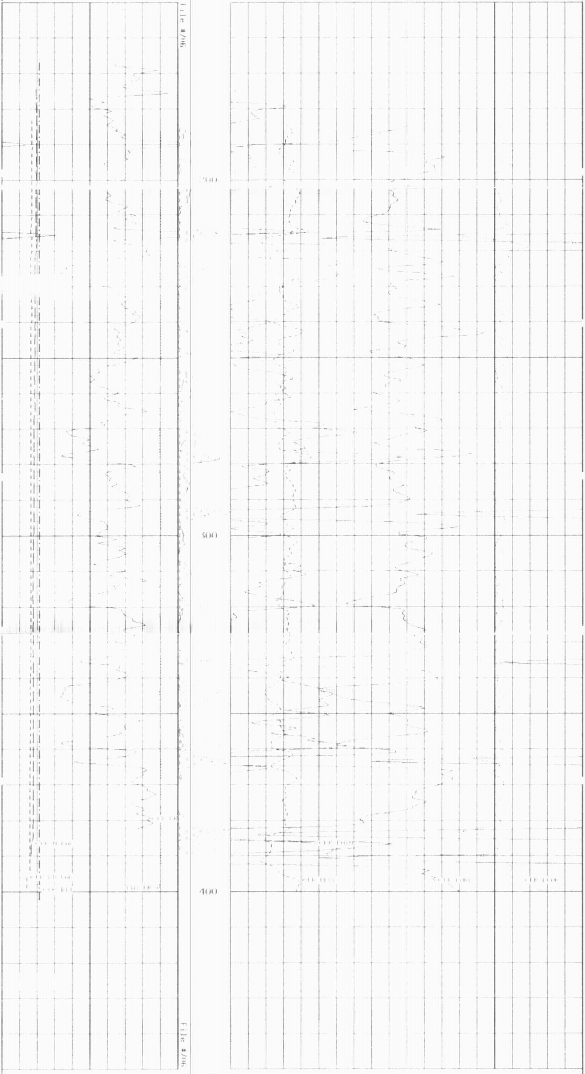
NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

GAMMA RAY
API UNITS
200 400
0 200

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

1:240 REPEAT SECTION



1:240 REPEAT SECTION

GAMMA RAY
API UNITS
200 400
0 200

DENSITY POROSITY
PERCENT (2.71 g/cc)
70 30
30 10

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 10

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

BIT SIZE
INCHES (IN)
4 14

TENSION
LBS
10000 0

Borehole Zone Factors

Zone 1 99999.0 to 0.0 F
[illegible]

TENSION
LBS
10000 0

BIT SIZE
INCHES (IN)
4 14

DENSITY (X) CALIPER
INCHES (IN)
14 24
4 14

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

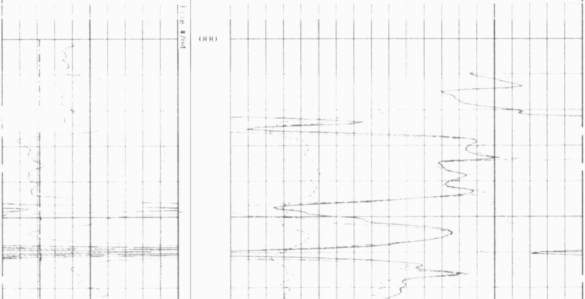
DENSITY POROSITY
PERCENT (2.71 g/cc)
30 10

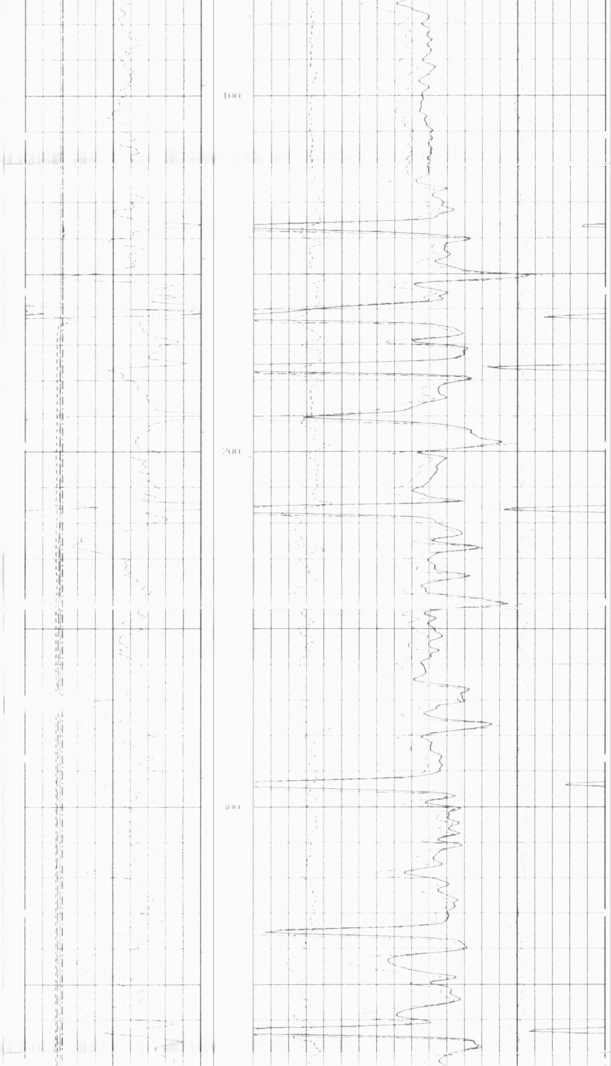
GAMMA RAY
API UNITS
200 400
0 200

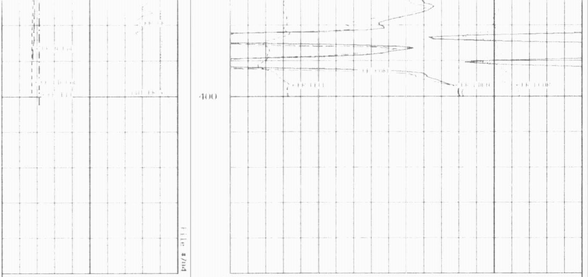
-BHV BHV-
10 FT

COMPENSATED BULK DENSITY
G/CC
3.0 4.0
2.0 3.0
1.0 2.0

1:240 MAIN SECTION
BULK DENSITY







1:240 MAIN SECTION
BULK DENSITY

GAMMA RAY
API UNITS
200 400
0 200

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

DENSITY (X) CALIPER
INCHES (IN)
[illegible] 24
14

BIT SIZE
INCHES (IN)
4 14

TENSION
LBS
10000 0

DEV DEV
(0.1)

COMPENSATED BULK DENSITY
G/CC
3.0 4.0
2.0 3.0
1.0 2.0

DENSITY POROSITY
PERCENT (2.71 g/cc)
30 10

PE CROSS SECTION
BARNS/ELECTRON
0 10

DENSITY CORRECTION
G/CC
0.25 0.25

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 ft

Drill Bit Size 6.125 IN

* Borehole Zone Factors *

Zone 1 99999.0 to 0.0 ft

Matrix Density 2.71 G/CC
Fluid Density 1.00 G/CC
Formation Matrix Limestone
Drill Bit Size 6.125 IN
Casing Correction (PHI_N) Disable

* Calibration Summary *

Shop Calibration
GRTB

Performed : 28 Apr 2010 Time : 11:26
Source Serial : [illegible] ID : [illegible]

	Measured	Unit	Calculated	Unit
Background	[illegible]		[illegible]	
[illegible]	[illegible]	CPS	[illegible]	[illegible]

Shop Calibration
CNT

Performed : 1 May 2010 Time : [illegible]
Source Serial : [illegible] ID : [illegible]
Source ID : [illegible]

	Raw		Calibrated	Unit

```
              Measured     Calibrated          [illegible]
[illegible]     [illegible]     [illegible]        [illegible]
[illegible]     [illegible]     [illegible]        [illegible]

      Performed : [illegible] APR 2010          Time : [illegible]
  Service Centre : [illegible]                  ID : [illegible]

                  Avg   Measured            Avg   Calibrated   Units
                Range#1  Range#2          Range#1  Range#2
[illegible]       [illegible]  [illegible]     [illegible]  [illegible]   [illegible]

                       Shop Calibration
                            [illegible]
      Performed : [illegible] APR 2010          Time : [illegible]
  Service Centre : [illegible]                  ID : [illegible]

                  Avg   Measured            Avg   Calibrated   Units
                Range#1  Range#2          Range#1  Range#2
[illegible]       [illegible]  [illegible]     [illegible]  [illegible]   [illegible]

      Performed : [illegible]                   Time : [illegible]
  Service Centre : [illegible]                  ID : [illegible]
      Source ID : [illegible]

                          Short Space
               [illegible]      [illegible]     [illegible]     [illegible]     Units

                          Long Space
               [illegible]      [illegible]     [illegible]     [illegible]     Units
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